Imagine.

Roland®

DVE
Digital Value Engineering

CAMM-1 PRO

GX-640/GX-500/GX-300

Shift Your Business into High Gear with the World's Most Advanced Cutter Line

Create custom window tinting, clear paint protectant and bold vinyl graphics.

Contour cut pre-printed thermal transfer graphics, ideal for personalising dark apparel.

Produce durable, eye-catching outdoor signage.

Discover the Proven Performance of CAMM-1 PRO Cutters

Powered by digital servomotors, Roland CAMM-1 PRO professional vinyl cutters are highly accurate and fast with cutting speeds up to 850 mm per second and support for up to 350 grams of pressure. With the CAMM-1 PRO, your vehicle graphics, window tints, signage, labels, stencils and pinstriping come out crisp and clean. Choose the 64-inch GX-640 for the largest jobs and heavy materials including sandblast media. This model features our most powerful servomotor and a "heavy mode" function for great results on the thickest media.

Pair your CAMM-1 PRO with a Roland inkjet printer to create custom t-shirt heat-transfers, full-colour POP displays, vehicle wraps, labels and decals. Every Roland inkjet printer includes VersaWorks RIP software with advanced features that allow your CAMM-1 PRO to contour cut finished prints. Simply include crop marks with your design, print the graphic on your Roland inkjet printer and then load the printed media on the CAMM-1 PRO. The CAMM-1 PRO automatically aligns and cuts the graphic for precision results.

CAMM-1 PRO cutters come complete with Roland CutStudio™ design software, allowing you to quickly enlarge, reduce, reposition, rotate and mirror images. The software even allows you to cut True Type fonts without outlining. BMP, JPG, STX, AI and EPS file formats are all supported.

Model **GX-640**
1842mm (72.5") Cutter

Model **GX-500**
1372mm (54") Cutter

Model **GX-300**
915mm (36") Cutter

Specifications	GX-640	GX-500	GX-300
Mechanism / Driving method	Friction feed / Digital control servo motor		
Maximum cutting area	Width: 1,575 mm (62 in.) EXTEND:1,626mm (64 in.) Length: 24,998 mm (984-1/8 in.)	Width: 1,195 mm (47 in.) Length: 24,998 mm (984-1/8 in.)	Width: 737 mm (29 in.) Length: 24,998 mm (984-1/8 in.)
Acceptable media widths	Min. 130 mm (5-1/16 in.) Max. 1,842 mm (72-1/2 in.)	Min. 90 mm (3-1/2 in.) Max. 1,372 mm (54 in.)	Min. 50 mm (2 in.)/Max. 915 mm (36 in.) (50 to 540 mm (2 in. to 21 in.), 582 to 915 mm (23 in. to 36 in.))
Width of material that can be cut off	0 to 1,778 mm (0 in. to 70 in.)	0 to 1,270 mm (0 in. to 50 in.)	0 to 812 mm (0 in. to 32 in.)
Tools	Special blade for CAMM-1 series		
Maximum cutting speed	During cutting: 850 mm/sec. (in all directions) During tool-up: 1202 mm/sec. (in 45 direction)		
Cutting speed / Blade force	10 to 850 mm/sec. (in increments of 10 mm/sec.) / 20 to 350 gf		
Mechanical resolution	0.0035 mm/step (0.000137 in./step)	0.0125 mm/step (0.000492 in./step)	
Software resolution	0.025 mm/step (0.000984 in./step)		
Distance accuracy (*1)	Error of less than ±0.2% of distance traveled, or 0.1 mm (0.00394 in.), whichever is greater		
Repetition accuracy (*1) (*2) (*3)	0.1 mm or less		
Interface	Serial (RS-232C-compatible), USB (Rev 1.1)		
Replot memory	2 MB (buffer size: 8 MB)		
Power supply / Power consumption	AC 100V to 240V ±10% 50/60 Hz 1.2A / Approx. 100W		AC 100V to 240V ±10% 50/60 Hz 1.1A / Approx. 95W
Dimensions with stand	2,115 mm (W) x 727 mm (D) x 1,113 mm (H) (83-1/4 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))	1,602 mm (W) x 727 mm (D) x 1,113 mm (H) (63-1/16 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))	1,144 mm (W) x 727 mm (D) x 1,113 mm (H) (45-1/16 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))
Weight with stand	64 kg (141.1 lb.)	55 kg (121.2 lb.)	44 kg (97 lb.)
Operating temperature	5 to 40°C (41 to 104°F)		
Operating humidity	35% to 80% (non - condensing)		
Included items	Power cord, blade holder (XD-CH2), pin, blade(ZEC-U5022), alignment tool, cable clamp, replacement blade for sheet cutter, USB cable, Roland software CD-ROM, setup guide, user's manual		

*1 According to material and cutting conditions as specified by Roland DG Corp. *2 Excluding stretching/contraction of the material
*3 Range for assured repetition accuracy: For materials with a width exceeding 610 mm (24 in.): Length 4,000 mm (157-7/16 in.) (GX-500 only). For materials with a width of 610 mm (24 in.) or less : Length 8,000 mm (314-15/16 in.)

Included Software	Roland CutStudio	Roland CutStudio Plug-in for Adobe® Illustrator®	Roland CutStudio Plug-in for CorelDRAW®
OS	Windows® 7(32/64-bit); Windows Vista® Home Premium/Business(32-bit); Windows® XP Home Edition/Professional(32-bit);	Windows®, Mac OS	Windows®
Application Software	————	Adobe® Illustrator® CS2/CS3/CS4	CorelDRAW® X3/X4/X5

Options					
Blades	ZEC-U1715	For cutting sandblast stencils for friction feed, maximum 1.00mm thickness, offset value 0.25mm, 5-pack	Roll hangers	HS-640	For GX-640, 1 set
	ZEC-U3017	For cutting sign vinyl in general plus cutting small letters or intricate designs, offset value 0.175mm, 3-pack			
	ZEC-U3050	For cutting thick material, offset value 0.50mm, 5-pack		HS-500	For GX-500, 1 set
	ZEC-U5022	For cutting sign vinyl in general, offset value 0.25mm, 2-pack			
	ZEC-U5025	For cutting reflective and fluorescent vinyl, as well as sign vinyl in general, offset value 0.25mm, 5-pack			
Blade holders	XD-CH2	For sign vinyl in general as well as thicker material. Performs well for detailed cutting. Blade holder with blade extention adjuster, made of aluminium		HS-300	For GX-300, 1 set
	XD-CH3	For sign vinyl in general Blade holder with blade extension adjuster, made of resin	Serial cable	XY-RS-34	3m (9.8ft)

Roland DG products (GX-640) that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.

ECO

ISO 14001:2004 and ISO 9001:2008 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.

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JMAQA-E089

Roland DG reserves the right to make changes in specifications, materials or accessories without notice. Your actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland dealer for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products.
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